

ABSTRACT OF THE DISCLOSURE

A solar sensor comprises a housing, a pair of optical devices, an optical lens and a lens member. The optical devices are disposed in the right side and the left side on the top side of the housing, respectively, of the axis parallel to the direction of travel of a vehicle. The optical lens is disposed above the optical devices and guides incident light toward the optical devices. The lens member comprising solid projections is disposed between the optical devices and the optical lens. The top surface of the lens member is coated with a screen film except the areas under the projections. The lens member makes total quantity of solar irradiation to the optical devices constant in collaboration with the optical lens.

RECORDED IN U.S. PATENT AND TRADEMARK OFFICE